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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/632,221	08/03/2000	Takafumi Itoh	194715US-2CONT	1145

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EXAMINER

RAHMJOO, MANUCHER

ART UNIT PAPER NUMBER

2676

9

DATE MAILED: 04/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/632,221

Applicant(s)

ITOH ET AL.

Examiner

Mike Rahmjoo

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 20 March 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 11-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 11-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Response to Arguments*

Applicant's arguments filed 03/20/2003 have been fully considered but they are not persuasive.

As to claims 11 and 23 (and subsequently dependent claims 14 and 15 on line 20 of page 6), applicant argues on line 12 of page 5 that Orita teaches neither a projection optical device nor an elector optical device for emitting light.

The examiner respectfully disagrees. CRT inherently is an electro optical device which emits light within to make a projection on the tube and therefore to display to the viewer (audience) the signals which are transmitted.

As to claim 20, applicant argues on line 24 of page 5 that Orita does nt teach an image extraction section that has been limited to extracting “by cutting away” at least a portion of an extraction target image.

The examiner would point out that the feature of “**by cutting away**” is not taught in the language of claim 20.

As to claims 18, 21 and 24, applicant argues on line 4 of page 6 that Orita does not reasonably teach the operating judging section of claim that judges if the projection display apparatus is in a specific operating condition or the judging step of claim 24 that again relates to the projection display apparatus being in a specific operating condition.

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The examiner respectfully disagrees. Condition determination means of the abstract determines the condition of characteristic extraction unit based on the specific condition of “**density distribution characteristic**” of the input image in the designated area.

*claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 11- 13, 16- 21 and 23- 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Orita et al, hereinafter, Orita.

As per claim 11 Orita teaches a frame memory for storing image data representing an image to be displayed in column 5, line 18; an image display signal generator for generating image display signals based on the image data stored in the frame memory in column 5 line 14- 17; a electro-optical device for emitting light to form images responsive to the image display signals and a projection optical system for projecting light emitted by the electro optical device in column 14 lines 17- 26; an image extraction section that extracts at least a portion of an extraction target image selected arbitrarily from among images given externally as an

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extraction image in the abstract; an extraction image memory for storing extraction image data representing the extraction image in column 14 lines 15- 16; and a specific image display control section that in a specific display condition displays a specific image represented by specific image data including the extraction image data stored in the extraction image memory in column 5 line 65.

As per claim 12 Orita teaches displaying an extraction image setting screen for setting image extraction conditions comprising at least an extraction area and an extraction magnification factor in column 16 line 37; displaying an extraction area specifying image used in setting the extraction area on the extraction target image in column 16 lines 33- 36; when the extraction area is set with the extraction area specifying image, writing into the frame memory selected extraction image data representing a selected extraction image corresponding to the set extraction area and when a display magnification factor is set, enlarging or reducing (in figure 19 block 264) the selected extraction image data based on the magnification factor and writing the enlarged or reduced selected extraction image data into the frame memory and when a desired display magnification factor is determined, storing the selected extraction image data enlarged or reduced based on the desired display magnification factor in the extraction image memory in column 16 line 38- 43 and also figure 19 block 267 for determination of characteristics(scalar characteristics).

As per claim 13 Orita teaches the image extraction section displays a predetermined extraction frame as the extraction area specifying image, the predetermined extraction frame having a first black outline, a second black outline inside the first black outline and a white area between the first and second black outlines in figure 19 blocks 261- 263.

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As per claim 16 Orita teaches an operating condition judging section (condition determination means) that judges if the projection display apparatus is in a specific operating condition, wherein the specific image display control section displays the specific image when the specific operating condition is detected by the operating condition judging section in the abstract.

As per claim 17 Orita teaches the operating condition judging section detects as the specific operating condition at least one state selected from a state in which no image signal is being given to the projection display apparatus in column 4 lines 58- 63 wherein only object area and a background of the entire input image are provided, and another state in which the projection display apparatus is within a prescribed period after startup in column 5 lines 8- 9 through a predetermined evaluation measurement.

Claims 18- 21 and 23- 24 are similar in scope to claims 11- 13, 16 and 17 singularly or in combination and therefore are rejected with the same rational.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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Claims 14, 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Orita in view of JP 4- 205476.

As per claims 14 and 15 Orita does not teach the extraction image memory storing a plurality of extraction image data representing a plurality of extraction images and the specific image display control section displays a specific image that include at least one extraction image selected from among the plurality of extraction images in the specific display condition and the specific image display control section selects at least two of the extraction images from among the plurality of extraction images and displays the selected images in order.

However, JP 4- 205476 teaches the extraction image memory storing a plurality of extraction image data representing a plurality of extraction images (memory which stores image selection information) and the specific image display control section (image display control circuit) displays a specific image that include at least one extraction image selected from among the plurality of extraction images in the specific display condition and the specific image display control section selects at least two of the extraction images (selects one or more desired images)from among the plurality of extraction images and displays the selected images in order.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teachings of JP 4- 205476 into Orita to provide a technique for selectively displaying a desired image without difficulty as per abstract of JP 4- 205476.

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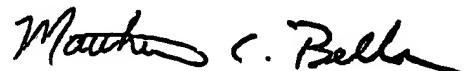
*Conclusion*

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Mike Rahmjoo,

April 01, 2003



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